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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/806,312	03/23/2004	Ralph Edward Droms	10-014	1756
23164	7590	06/30/2005	EXAMINER	
LEON R TURKEVICH 2000 M STREET NW 7TH FLOOR WASHINGTON, DC 200363307			PHUNKULH, BOB A	
			ART UNIT	PAPER NUMBER
			2661	

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/806,312	Applicant(s) DROMS ET AL.	
	Examiner Bob A. Phunkulh	Art Unit 2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-52 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-14, 21-24, 35-38, 49-52 is/are allowed.
- 6) ☒ Claim(s) 1,8,9,15,25,32,33,39,46 and 47 is/are rejected.
- 7) ☒ Claim(s) 2-7,10,16-20,26-31,34,40-45 and 48 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 November 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>6/24/2004</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 8-9, 15, 25, 32-33, 39, 46-47 are rejected under 35 U.S.C. 102(b) as being anticipated by Alriksson et al. (US 2001/0024443), hereinafter Alriksson.

Regarding claims 1, 25, and 39, Alriksson discloses a method in an access router, the method comprising:

supplying to a first mobile router a delegated address prefix , based on attachment by the first mobile router to one of the access router and a second mobile router attached to the access router, each mobile router in a local mobile network serviced by the access router receiving a corresponding unique delegated address prefix for use within the local mobile network (each mobile in the ad hoc network is assigned static home address, this home address allows the mobile node to always be capable of receiving data in the same way as it receives data in it home network, see paragraph 28); and

registering a remote care-of address having the delegated address prefix with a prescribed home agent of the first mobile router, to register a reachability of the first mobile router (to be capable of receiving datagrams while visiting a foreign network the

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mobile node has to register its current care-of-address with its home agent, see paragraphs 29-30).

Regarding claims 8, 32, 46, Alrksson discloses outputting a router advertisement message specifying an available network prefix for use within the local mobile network, and wherein: the second mobile router is assigned a second delegated address prefix distinct from the delegated address prefix and within an address space of the available network prefix, the local care-of address within the address space of the second delegated address prefix (each mobile node in the ad-hoc network having an assigned home address, see paragraph 30).

Regarding claims 9, 33, 47, Alrksson discloses registering step includes forwarding a binding update message from the first mobile router to the prescribed home agent, the binding update message specifying at least one of the first mobile router and a native mobile network prefix assigned to the first mobile router by the home agent is reachable via the remote care-of address (see paragraph 30).

Regarding claim 15, Alriksson disclose an access router (gateway, see figure 4) configured for providing connectivity to a wide area packet switched network (Internet, see figure 1) for a local mobile network (the wireless ad-hoc network) , the access router including:

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a delegation resource configured for supplying to each mobile router a corresponding delegated address prefix, each of the delegated address prefixes within an available network prefix for use within the local mobile network (each mobile node in a assigned a static home address, this allows the mobile node to receive data, see paragraph 28);

and a routing resource including a routing table configured for storing, for each delegated address prefix, a corresponding local care-of address for reaching the corresponding mobile router in the local mobile network (see paragraph 30).

Allowable Subject Matter

Claims 2-7, 10, 16-20, 26-31, 34, 40-45, 48 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 11-14, 21-24, 35-38, 49-52 are allowed.

Conclusion

Any response to this action should be mailed to:

The following address mail to be delivered by the United States Postal Service (USPS) only:

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or faxed to:

(703) 872-9306, (for formal communications intended for entry)

Or:

The following address mail to be delivered by other delivery services (Federal Express (Fed Ex), UPS, DHL, Laser, Action, Purolater, Hand Delivery, etc.) as follow:

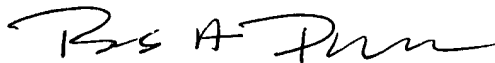
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Arlington, VA 22202.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Bob A. Phunkulh** whose telephone number is **(571) 272-3083**. The examiner can normally be reached on Monday-Tuesday from 8:00 A.M. to 5:00 P.M. (first week of the bi-week) and Monday-Friday (for second week of the bi-week).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor **Chau Nguyen**, can be reach on **(571) 272-3126**. The fax phone number for this group is **(703) 872-9306**.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Bob A. Phunkulh
Primary Examiner
TC 2600
Art Unit 2661
June 27, 2005

BOB PHUNKULH
PRIMARY EXAMINER